CLAIMS

[1] A display process device for displaying a screen on a display comprising:

an information storage section for storing screen definition information defining a correlation between a screen displayed on the display and an action corresponding to an instruction indicated in the screen;

a screen definition information interpretation section for interpreting the screen definition information, generating a screen which is to be displayed on the display, and, in accordance with an instruction given thereto, issuing a first screen event for the action corresponding to the instruction;

a first event conversion section for converting the first screen event to a first device event, which may be interpreted and executed by a device resource retained by the display process device; and

a device resource control section for controlling the device resource based on the first device event converted in the first event conversion section.

[2] The display process device according to claim 1, wherein the device resource control section issues a result of a modification in a screen caused by the device resource control section controlling the device resource, based on the first device

event, as a second device event, and

further comprises a second event conversion section for converting the second device event to a second screen event, which may be interpreted and executed by the screen definition information interpretation section, and

the screen definition information interpretation section modifies a screen, which is to be displayed on a display, based on the second screen event converted in the second event conversion section.

[3] The display process device according to claim 1, wherein the device resource control section issues a result of a modification in the screen caused by the device resource control section controlling the device resource, based on the first device event, as a second device event, and

the device resource control section further comprises a second event conversion section for directly converting the second device event to a screen which is to be displayed on the display.

[4] The display process device according to claim 1, further comprising a view section for giving to the first event conversion section the first screen event issued by the screen definition information interpretation section.

[5] The display process device according to claim 2, further comprising a view section for giving to the first event conversion section the first screen event issued by the screen definition information interpretation section, and for giving to the second event conversion section the second device event issued by the device resource control section.

[6] The display process device according to claim 3, further comprising a view section for giving to the first event conversion section the first screen event issued by the screen definition information interpretation section, and for giving to the second event conversion section the second device event issued by the device resource control section.

[7] The display process device according to claim 1, wherein the screen definition information may be updated via the screen definition information interpretation section.

[8] The display process device according to claim 4, wherein the screen definition information interpretation section may be updated via the view section.

[9] The display process device according to claim 4, wherein the first event conversion section may be updated via the view section.

[10] The display process device according to claim 5, wherein the second event conversion section may be updated via the view section.

[11] The display process device according to claim 6, wherein the second event conversion section may be updated via the view section.

[12] A display process method for displaying a screen on a display comprising:

an interpretation step for interpreting a predetermined screen definition information defining a correlation between a screen displayed on the display and an action corresponding to an instruction indicated in the screen, and for generating a screen which is to be displayed on the display;

a first issuance step for interpreting the screen definition information, and for issuing a first screen event for an action corresponding to the instruction;

a first conversion step for converting the first screen event to a first device event, which may be interpreted and executed by a predetermined device resource; and

a control step for controlling the device resource based on the first device event converted by the first conversion step.

[13] The display process method according to claim 12, further comprising:

a second issuance step for issuing a result of a modification in a screen caused by the control step controlling the device resource, based on the first device event, as a second device event; and

a second conversion step for converting the second device event to a second screen event, which may be interpreted and executed in the interpretation step, wherein

the interpretation step modifies a screen which is to be displayed on the display based on the second screen event.

[14] The display process method according to claim 12, further comprising:

a second issuance step for issuing a result of a modification in a screen caused by the control step controlling the device resource, based on the first device event, as a second device event; and

a second conversion step for directly converting the second device event to a screen which is to be displayed.

[15] The display process method according to claim 12 further comprising a step for updating the screen definition information.

[16] A computer-readable program for causing a display process

device to execute a display process method which is for causing a screen to be displayed, wherein the program causes the display process device to execute:

an interpretation step for interpreting a predetermined screen definition information defining a correlation between a screen displayed on a display, and an action corresponding to an instruction indicated in the screen, and for generating a screen which is to be displayed on the display;

a first issuance step for interpreting the screen definition information, and for issuing a first screen event for the action corresponding to the instruction;

a first conversion step for converting the first screen event to a first device event, which may be interpreted and executed by a predetermined device resource; and

a control step for controlling the device resource based on the first device event converted by the first conversion step.

[17] The program according to claim 16 further comprising:

a second issuance step for issuing a result of a modification in a screen caused by the control step controlling the device resource, based on the first device event, as a second device event;

a second conversion step for converting the second device event to a second screen event, which may be interpreted and executed in the interpretation step; wherein

the interpretation step modifies a screen which is to be displayed on the display based on the second screen event.